

# Storageflex 3945N Installation and Setup



Storageflex NAS : 3945N เป็นระบบจัดเก็บข้อมูล โดยสามารถเชื่อมต่อเข้าสู่ระบบ Network ได้โดยตรง โดยมีระบบปฏิบัติการ Operating System (OS) สำหรับควบคุมการทำงาน เป็น Windows Storage Server 2008 (WSS2008) ซึ่งมีความสามารถเท่าเทียมกับ Windows 2008 Server ทั่วไป เพียงแต่มีความสามารถในการจัดการ และควบคุมการจัดเก็บข้อมูลได้ง่ายขึ้น

การเข้าสู่ WSS2008 สามารถทำได้ 2 วิธี คือ

1. ต่อ Monitor, Keyboard และ Mouse เข้าที่ด้านหลังของอุปกรณ์ แล้วจึงเปิดเครื่อง

2. ไม่จำเป็นต้องต่อ Monitor, Keyboard และ Mouse เปิดเครื่อง NAS Storage รอสักครู่ แล้วจึง
 ใช้ Remote Desktop Connection จากเครื่องคอมพิวเตอร์ที่อยู่ภายใน Network ก็จะสามารถ
 เข้าถึงตัวอุปกรณ์ เพื่อการจัดการ และตั้งค่าต่างๆ ได้เช่นเดียวกับ Windows 2008 Server ทั่วไป

### การตั้งค่า และการใช้งานเครื่อง ผ่านทาง Remote Connection

การใช้งาน Remote Desktop Connection

Remote De	esktop Connection			×
	Remote Desktop Connection			
Computer:	10.10.10.10		•	
User name: You will be as	WSS3945N\Administrator ked for credentials when you con	nect.		
<u>Options</u>		Connect		elp

คลิกเลือก Remote Desktop Connection ที่

Programs> Accessories> Remote Desktop Connection

จะปรากฏดังตัวอย่าง ใส่ชื่อของตัวเครื่อง NAS Storage ค่าที่ตั้งไว้คือ WSS3945N หรือ IP Address (ตั้งค่าไว้ที่ NIC (port) 1 คือ 10.10.10.10) จากนั้นจะปรากฏ หน้าจอสำหรับการ Login ให้ใส่ User = <mark>Administrator</mark>, Password = <mark>wSS2008!</mark>

คลิก	เที่ Icon ของ MagaRAID	Storage Manager	
MegaRAID Storage Manager	EDAP Login	LSI 🌟	
	LDAP <u>S</u> erver IP Address:	Use your LDAP server	
	User Name:		
	Password:		
	Use Default Port	Port:	
	Remember my Login Details		
	Logir	Cancel	
	เมื่อปรากฏหน้าจอ LD	AP Login ให้คลิก Cancel	

	1.64	
IP Address: 10.10.10.10	Discover Host Stop Discovery	
Remote servers:	$\sim$	
Host	IP Address Operating Syste	m
	ใส่ IP Address ของเครื	โอง และคลิก Discover H
IP Address: 10.10.10.10	Discover Host Stop Discovery	
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Remote <u>s</u> ervers: Host	IP Address Operating System	
W553945N	<u>10.10.10.10</u> ผลิกที่ IP Address	
WS53945N	<u>10.10.10.10</u> Windows Server 2008 R2 คลิกที่ IP Address	
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WSS3945N	10.10.10.10 Windows Server 2008 R2 คลิกที่ IP Address	
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Enter User Name & I Server : User Name: Password:	10.10.10.10 Windows Server 2008 R2 คลิกที่ IP Address Administrator Administrator Mindows Server 2008 R2 Pลิกที่ IP Address User Na Password	me = Administrator rd = wSS2008!
WSS3945N Enter User Name & I Server : User Name: Password: Login Mode:	assword >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	me = Administrator rd = wSS2008!

		gicai	Welcome: Admi	inistrator [Full Access]
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Controller: Intel Embedded	Server RAID Technology II	(Bus 0,Dev 31)	5I MegaRAID SAS 9265-8i (Bus 4	+,Dev 0)
		Usage		Background Oper
Status:	🅑 Optimal			<u>V</u> irtual drive o
🕡 Enclosures: (	)	100%	Total capacity:	
III Backplanes: 0	ו		109.895 GB	
Crives: 2	2		Configured Capacity: 109.895 GB	Drive operati
Solution Drive groups:	1		Unconfigured Capacity:	
Virtual Drive(s):	1		— O Bytes	
				More details
view server profile				
Advanced Software Option		Actions		Help
Alarm:	Disabled	Create virtual drive		How to use MS
MegaRAID RECOVERY	Disabled	<u>Create CacheCade™ - SS</u>	D Caching	How to create
CacheCade™ - SSD Caching:	Disabled	Load configuration		How to enable
	1			
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้ Harddisk ที่ใช้ในการทำ RAID (Data)

#### การสร้าง Virtual Drive

₩SS ( WSS	3945N Intel Embedded Se	rver RAID Technology II (Bu	us 0 Properties
<u> </u>	SI MegaRAID SAS	9265-8i (Bus 4,Dev 0)	Create Virtual Drive
<b>_</b> }…€	Unconfigured L	A33606PCI01 (10) Sloty 1	Disable Alarm
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		A33606PCI01 (10), Slot: (	Start Datrol Dead
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		A33606PCI01 (10), Slot: {	Set Patrol Read Properties
		A33606PCI01 (10), Slot: (	Disable SSD Guard
		A33606PCI01 (10), Slot: 1	Scan Foreign Configuration
	Enclosure:	A33606PCI01 (10), Slot: 8	Load Configuration
		A33606PCI01 (10), Slot: 1	Save Configuration
		A33606PCI01 (10), Slot: :	Clear Configuration
		A33606PCI01 (10), Slot:	Set Consistency Check Properties
		A33606PCI01 (10), Slot: :	Schedule Consistency Check
		A33606PCI01 (10), Slot: :-	Set Adjustable Task Rates
		A33606PCI01 (10), Slot: :	Discovered Casha
	Enclosure:	A33606PCI01 (10), Slot: 1	Preserved Cache
		A33606PCI01 (10), Slot: :	Manage Power Save Settings
			Update Controller Firmware
<b>AV</b>			Manage MegaRAID Advanced Software Options
ID	Error Level	Date / Time	Manage Link Speed
3007	[Informatio 20	012-06-27, 16:20:32	Save TTY Log
	คลิกขวา แส	งะเลือก Create Vi	rtual Drive
eate Virtua	คลิกขวา แส I Drive - Choose	าะเลือก Create Vi emode	rtual Drive
eate Virtua s wizard will h oose how to o Specify a lim virtual drive Advanced virtual drive	คลิกขวา แส al Drive - Choose elp you quickly cre create the virtual c ited number of set itional settings and s for your specific	าะเลือก Create Vi emode eate virtual drives. lrive: stings and have the system customize virtual drive crea	rtual Drive

เลือกระเ	ดับของ RAID LSI 💥
Create the drive group by specifying the RAID level an	d Drive security method.
	This RAID level is suitable for environments requiring redundancy
Drive security method:	protection beyond RAID 5,but not requiring high write performance.
Select	Drive security will make the virtual drive secure by applying encryption logic to
	underlying data in the drive.
None	This option ensures that the system will not spin down configured drives.
Select unconfigured drives:	Drive groups:
Drive	LSI MegaRAID SAS 9265-8i (Bus 4,Dev 0)
Findosure: A33606PCI01 (10), Slot: 1 Findosure: A33606PCI01 (10), Slot: 2	Add > Drive Group0
Enclosure: A33606PCI01 (10), Slot: 3	Add Hot Spare >
Enclosure: A33606PCI01 (10), Slot: 4 1	< Remo <u>v</u> e
	<u>Create Drive Group</u> Create Span
	Cancel <u>B</u> ack <u>N</u> ext <u>H</u> eli
landdiak	
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Create Drive Group - Drive Group Settings	LSI
Create Drive Group - Drive Group Settings Create the drive group by specifying the RAID level an RAID level:	LSI 📩
Create Drive Group - Drive Group Settings Create the drive group by specifying the RAID level an RAID level: Select	Ind Drive security method. Pick a RAID level to specify the amount of fault tolerance and performance for the virtual drives.
Create Drive Group - Drive Group Settings Create the drive group by specifying the RAID level an RAID level: Select	Ind Drive security method. Pick a RAID level to specify the amount of fault tolerance and performance for the virtual drives.
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5pecify parameters f	or the new virtual drive.	Drive groups:	AC 02/5 0: (Due 4 Deu)	2)
<u>V</u> irtual drive name:	VD_1	Es MegaRAID S	0: RAID 6: Available Cap	)) bacity: 0 Bytes
Capacit <u>y</u> :	0 😴 Uni <u>t</u> s: TB	] Virtual D	rive 0,VD_0:19.093 TB	
Initialization state:	No Initialization			
Strip si <u>z</u> e:	64 KB 💌			
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<u>W</u> rite policy:	Write Back with BBU			
I/O policy:	Direct IO			
Access policy:	Read Write 💌			
Disk cache policy:				
Update Virtual D	rive Create Virtual Dri	<u>R</u> emove Virtual Drive		
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Create iSCSI Target Wizard
Welcome to the Create iSCSI Target Wizard
This wizard helps you create an iSCSI target on an iSCSI subsystem.
To continue, click Next.
< <u>Previous</u> Cancel
คลิก Next
ใส่ที่อของ Target
Create iSC5I Target Wizard
iSCSI Target Identification Specify a name and description to identify the iSCSI target you want to create.
ISCSI-Volume
Description:
< <u>Previous</u> Cancel
คลิก Next

## ใส่ IQN ของเครื่องที่ต้องการมาเชื่อมต่อ (iSCSI initiator)

	· /
Create iSC9 I Target Wizard	×
<b>iSCSI Initiators Identifiers</b> Each iSCSI target should	: have at least one identifier.
Identifiers allow the iSCSI Typically, the iSCSI Qualifi address, and MAC addres	target to identify the iSCSI initiator requesting access. ied Name (IQN) of the initiator, but the DNS domain name, IP s can also be used.
ION identifier:	
iqn.1991-05.com.microsol	ft:wss3945n Browse
, To use the DNS domain n	ame IP address MAC address or another ION as an
additional identifier, click A	Advanced.
<u>A</u> dvanced	
	< <u>Previous</u> Cancel
	คลิก Next
Create iSCSI Tarnet Wizard	X
E S	Completing the Create iSCSI Target Wizard
	You have succesfully completed the Create iSCSI Target
	Wizard.
	To close this wizard and create the target, click Finish.
	< <u>Previous</u> Cancel
	คลิก Finish



เลือกพื้นที่ และใส่ชื่อของ iSCSI Volume เช่น D:\Volume1.vhd

ate Virt	Jal Disk Wizard 🛛 🔀 🗡
File You	can create a virtual disk using a new file.
An is an is	CSI virtual disk is created as a virtual disk (.vhd) file. To specify a file to be used as CSI virtual disk, type the full path (for example, C:\Sample\Virtual Disk 1.vhd).
<u>File</u>	
Div	/olume1.vhdBrowse
	< <u>Previous</u> Cancel
	คลก Next

## ใส่ขนาดของ iSCSI Volume

ate Virtual Disk Wizard	×
Size Specify how much space on the volume to use for the virtual disk.	S.
Current drive capacity:	11.82 TB
Currently available free space:	11.82 TB
Size of virtual disk (MB):	1182000ር
< <u>P</u> revious <u>N</u>	ext > Cancel
	คลิก Next

> Cancel
งลิก Next
າລີก Next



การก้างหมด iSCSLInitiator
iSCSI Initiator Properties
Targets Discovery Favorite Targets Volumes and Devices RADIUS Configuration Quick Connect To discover and log on to a target using a basic connection, type the IP address or DNS name of the target and then click Quick Connect Iarget: 10.10.10.11 Discovered targets
Discovered <u>t</u> argets
Name <u>Status</u> ign.1991-05.com.microsoft:wss3945n-iscsi-iscsi-vol Connected Progress report Logi Succeeded. ศลิก Done <u>Connect</u> <u>Done</u>
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